Feb. 1

Date

2002

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SURFACE TOPOLOGY AND GEOMETRY RECONSTRUCTION FROM WIRE-FRAME MODELS the specification of which (check one) is attached hereto. X was filed on August 25, 2000 as United States Application Number 09/648,139 or PCT International Application Number and was amended on (if applicable) I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or \$365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a file before that of the application on which priority is claimed: Prior Foreign Application(s) Priority Claimed 1700 h 5, 2001 Yes (Day/Month/Year Filed) (Number) (Country) Yes _ (Day/Month/Year Filed) (Country) (Number) Yes . MARFO (Day/Month/Year Filed) (Country) (Number) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. (Application Number) (Filing Date) (Application Number) (Filing Date) I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned) (Filing Date) (Status) (patented, pending, abandoned) (Application Serial No.) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon. POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and Manny W. Schecter (Reg. 31,722), Lauren Bruzzone (Reg. 35,082), Christopher A. Hughes (Reg. 26,914), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. 31,596), Marc A. Ehrlich (Reg. 39,966), Timothy M. Farrell (Reg. 37,321), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 41,473), Stephen C. Kaufman (Reg. 29,551), Richard M. Ludwin (Reg. 33,010), Daniel P. Morris (Reg. 32,053), Paul J. Otterstedt (Reg. 37,411), Louis J. Percello (Reg. 33,206), Robert P. Tassinari, Jr. (Reg. 36,030), Robert M. Trepp (Reg. 25,933), Marian Underweiser (Reg. 46,134) and Gail H. Zarick (Reg. 43,303) Send Correspondence to:_ Stephen C. Kaufman, Intellectual Property Law Dept. IBM Corporation, P.O. Box 218, Yorktown Heights, New York Direct Telephone Calls to: (name and telephone number) Keisuke Inoue Karsuke Full name of sole or first inventor

<u>5-13-15-301 Higashi-rinkan, Sagamihara-shi, Kanagawa-ken, Japan</u>

<u>Japan</u> Citizenship

Residence

Inventor's Signature

Same as above Post Office Address

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Kenji Shimada Full name of second joint-inventor, if any			
Inventor's signature	Date Feb	ruary &	7,2001
1704 La Costa Court, Pittsburgh, PA 15237 Residence		,	•
same as above Post Office Address			
Full name of third joint-inventor, if any			
Inventor's signature	Date		
Residence			
Citizenship			
Post Office Address			
Full name of fourth joint-inventor, if any		., .	
Inventor's Signature	Date		
Residence			
Citizenship			
Post Office Address			
Full name of fifth joint inventor, if any			
Inventor's Signature	Date		•
Residence			
Citizenship			
Post Office Address			
Full name of sixth joint-inventor, if any			
Inventor's signature	Date		

Residence

Citizenship

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first

and joint inventor (if plural name patent is sought on the invention		ubject matter which is claimed an	d for which a
SURFACE TOPOLOGY AND GEOMETRY RE	CONSTRUCTION FROM WIRE-FRAME	MODELS	
the specification of which (check	one)	•	
is attached hereto.		•	
X was filed on August 25, 2000	as United States Appli	cation Number 09/648,139	
or PCT International Applic	cation Number		
and was amended on	(if applicat	ole)	
I hereby state that I have reviewe the claims, as amended by any amen		s of the above identified specifi	cation, includin
I acknowledge the duty to disclose cordance with Title 37, Code of Fe			pplication in ac
I hereby claim foreign priority be	nefits under Title 35, Unite	d States Code, '119(a)-(d) or '365	(b) of any for-
eign application(s) for patent or designated at least one country ot checking the box, any foreign appl tion, having a filing date before	her than the United States, ication for patent or invent	listed below and have also identi or's certificate, or PCT Internat	fied below, by ional applica-
Prior Foreign Application (E)			Priority Claime
(Number) FEB 15	(Country)	(Day/Month/Year Filed)	Yes No
(Number) to	(Country) .	(Day/Month/Year Filed)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
I hereby claim the benefit under 3	F W C C '110(a) of amy Units	d Charac maniaismal smallinging	
nereby claim the benefit under 3	5 U.S.C. 119(e) Of any Unite	d states provisional application	(S) listed below.
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)		•
I hereby claim the benefit under 3 national application designating the claims of this application is the manner provided by the first perial to the patentability of this of the prior application and the most series of the prior application and the most series.	he United States, listed belo not disclosed in the prior Un aragraph of 35 U.S.C. '112, I s application as defined in 1	ow and, insofar as the subject ma nited States, or PCT Internationa acknowledge the duty to disclose 17 CFR 1.56 which occurred betwee	tter of each of l application in e information ma- en the filing dat
(Application Serial No.)	(Filing Date)	(Status) (patented, pendir	g, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pendir	ng, abandoned)
I hereby declare that all statement information and belief are believed that willful false statements and tion 1001 of Title 18 of the United the application or any patent issue	d to be true; and further that the like so made are punishal d States Code and that willfu	at these statements were made with ole by fine or imprisonment, or b	h the knowledge oth, under Sec-
POWER OF ATTORNEY: As a named invithis application and transact all registration number).			
Manny W. Schecter (Reg. 31, (Reg. 26,914), John E. Hoel W. Cameron (Reg. 31,596), Ma 37,321), Louis P. Herzberg Kaufman (Reg. 29,551), Rich Paul J. Otterstedt (Reg. 37 Jr. (Reg. 36,030), Robert M Gail H. Zarick (Reg. 43,303)	(Reg. 26,279), Joseph arc A. Ehrlich (Reg. 39 (Reg. 41,500), Derek S. ard M. Ludwin (Reg. 33, ,411), Louis J. Percell . Trepp (Reg. 25,933),	C. Redmond, Jr. (Reg. 18,7,966), Timothy M. Farrell Jennings (Reg. 41,473), S 010), Daniel P. Morris (Reco (Reg. 33,206), Robert P.	53), Douglas (Reg. tephen C. g. 32,053), Tassinari,
Send Correspondence to: Stephen	C. Kaufman. Intellectual Prop	perty Law Dept.	
		town Heights, New York 10598	
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Japan Citizenship

Residence

Inventor's Signature



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DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Kenji Shimada		
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Inventor's signature	Date	<u> </u>
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Full name of third joint-inventor, if any		
Full name of third joint-inventor, if any		
Inventor's signature	Date	
Residence		
Citizenship		
Post Office Address		
	. .	
Full name of fourth joint-inventor, if any		
•		
Inventor's Signature	Date	
Residence		
Citizenship		
Post Office Address		•
Full name of fifth joint inventor, if any		
	D-1-	
Inventor's Signature	Date	
Residence		-
Citizenship		
Post Office Address	···	
tost office /Barcso		
Full name of sixth joint-inventor, if any		
Inventor's signature	Date	
Residence		
Old		
Citizenship		
Post Office Address		